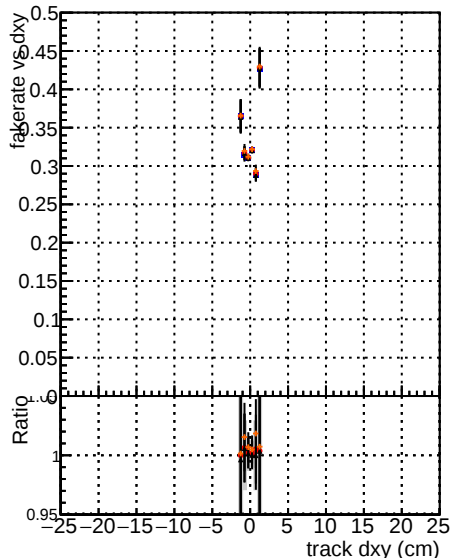
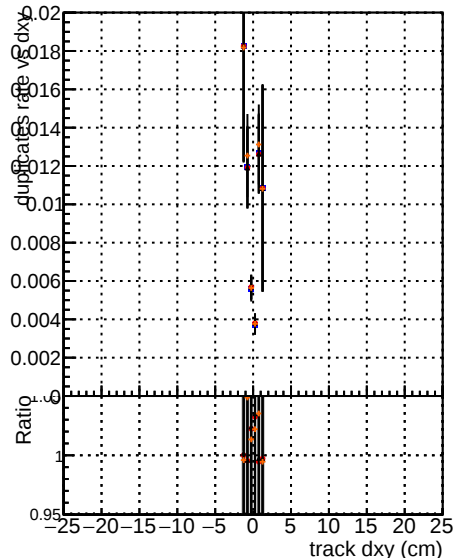


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

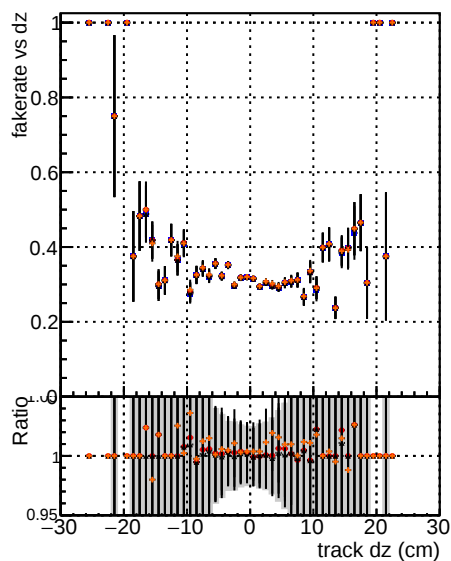
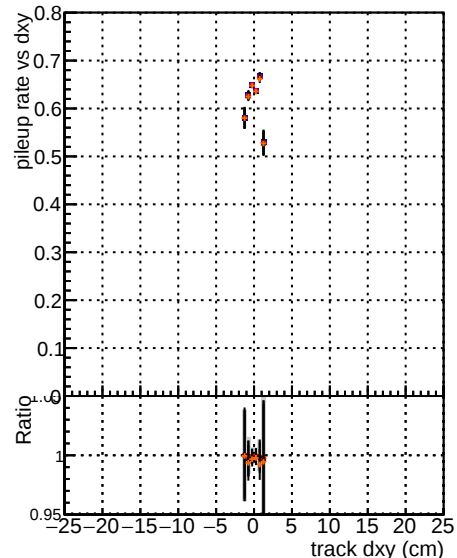


Figure 1 consists of two panels. The top panel is a scatter plot with error bars showing the 'pileup rate vs dz' on the y-axis (ranging from 0.2 to 1.0) against 'track dz (cm)' on the x-axis (ranging from -30 to 30). The data points are orange circles with black error bars. The rate starts at 1.0 for dz < -20 cm, drops to approximately 0.6 for -20 < dz < -10 cm, and then fluctuates between 0.6 and 0.7 for dz > -10 cm. The bottom panel is a scatter plot with error bars showing the 'Ratio' on the y-axis (ranging from 0.95 to 1.0) against 'track dz (cm)' on the x-axis (ranging from -30 to 30). The data points are orange circles with black error bars. The ratio is 1.0 for dz < -20 cm and dz > 20 cm, and decreases to a minimum of approximately 0.97 for -10 < dz < 10 cm, with a slight dip around dz = 0.